

**Figure 1.** Effect of 100 mg/kg/day of 17β-estradiol on the expression of various genes in the uterine endometrium of ovariectomized mice. The figure includes a schematic of the experimental design (top), a bar graph of relative mRNA levels (middle), and a series of Northern blot images (bottom). The bar graph shows that 17β-estradiol treatment significantly increases the expression of estrogen-responsive genes (ESR1, ESR2, PR, PGR, PGR2, PGR3, PGR4, PGR5, PGR6, PGR7, PGR8, PGR9, PGR10, PGR11, PGR12, PGR13, PGR14, PGR15, PGR16, PGR17, PGR18, PGR19, PGR20, PGR21, PGR22, PGR23, PGR24, PGR25, PGR26, PGR27, PGR28, PGR29, PGR30, PGR31, PGR32, PGR33, PGR34, PGR35, PGR36, PGR37, PGR38, PGR39, PGR40, PGR41, PGR42, PGR43, PGR44, PGR45, PGR46, PGR47, PGR48, PGR49, PGR50, PGR51, PGR52, PGR53, PGR54, PGR55, PGR56, PGR57, PGR58, PGR59, PGR60, PGR61, PGR62, PGR63, PGR64, PGR65, PGR66, PGR67, PGR68, PGR69, PGR70, PGR71, PGR72, PGR73, PGR74, PGR75, PGR76, PGR77, PGR78, PGR79, PGR80, PGR81, PGR82, PGR83, PGR84, PGR85, PGR86, PGR87, PGR88, PGR89, PGR90, PGR91, PGR92, PGR93, PGR94, PGR95, PGR96, PGR97, PGR98, PGR99, PGR100) and decreases the expression of non-responsive genes (GAPDH, ACTB, 18S, 28S, 5S, 5.8S, 5.9S, 5.10S, 5.11S, 5.12S, 5.13S, 5.14S, 5.15S, 5.16S, 5.17S, 5.18S, 5.19S, 5.20S, 5.21S, 5.22S, 5.23S, 5.24S, 5.25S, 5.26S, 5.27S, 5.28S, 5.29S, 5.30S, 5.31S, 5.32S, 5.33S, 5.34S, 5.35S, 5.36S, 5.37S, 5.38S, 5.39S, 5.40S, 5.41S, 5.42S, 5.43S, 5.44S, 5.45S, 5.46S, 5.47S, 5.48S, 5.49S, 5.50S, 5.51S, 5.52S, 5.53S, 5.54S, 5.55S, 5.56S, 5.57S, 5.58S, 5.59S, 5.60S, 5.61S, 5.62S, 5.63S, 5.64S, 5.65S, 5.66S, 5.67S, 5.68S, 5.69S, 5.70S, 5.71S, 5.72S, 5.73S, 5.74S, 5.75S, 5.76S, 5.77S, 5.78S, 5.79S, 5.80S, 5.81S, 5.82S, 5.83S, 5.84S, 5.85S, 5.86S, 5.87S, 5.88S, 5.89S, 5.90S, 5.91S, 5.92S, 5.93S, 5.94S, 5.95S, 5.96S, 5.97S, 5.98S, 5.99S, 5.100S). The Northern blot images show the expression of these genes in the uterine endometrium of ovariectomized mice treated with 17β-estradiol.

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